# BRUHATH BANGALORE MAHANAGARA PALIKE,
# DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

**Schedule - B**

BBMP/2020-21/OW/WORK_INDENT44780/CALL-2

NAME OF WORK: Improvements to roads and drains in Bhuvaneshwari Nagara and Other area in Bagalagunt ward no 14

| Sl. No | Description of work | Unit | Qty | Rates Quoted by Contractor K T RAVI ( K T R CONSTRUCTIONS ) | |
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| | | | | In Figures (Rs.) | In Words (Rs.) |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | KSRRB 300-3. Earthwork excavation and forming in embankment by manual means in ordinary soil (When earth is taken from bank cutting or from borrow pits ) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. ( excluding watering and compaction of earth ) (with all lead and lift) MORTH / Chapter 3 | Cum | 1216.40 | 137.8 | Rupees One Hundred Thirty Seven and Eighty Paise Only |
| 2 | Removing and refixing of stone slabs of drain and pointing in CM (1:3) | Sqm | 236.16 | 111.3 | Rupees One Hundred Eleven and Thirty Paise Only |
| 3 | KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 | Cum | 258.30 | 5600.0 | Rupees Five Thousand Six Hundred Only |
| 4 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300Kgs with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc complete excluding cost of steel as per MORTh specification No.1500, 1700, 2200, including cost of materials, labour, HOM of machinery, complete as per specifications. -wall & bottom thickness 15cm | Cum | 236.16 | 7500.0 | Rupees Seven Thousand Five Hundred Only |

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| 5 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 | Tonne | 15.35 | 72327.0 | Rupees Seventy Two Thousand Three Hundred Twenty Seven Only |
| 6 | Providing and fixing precast RCC cover slabs of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including form work, lift charges, curing, and concrete finished surface on both sides etc, and complete as per the direction of Engineer in-charge. (Data rate) | Sqm | 354.24 | 1615.0 | Rupees One Thousand Six Hundred Fifteen Only |
| 7 | KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 | Cum | 150.06 | 952.94 | Rupees Nine Hundred Fifty Two and Ninety Four Paise Only |
| 8 | KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3 | Sqm | 973.40 | 95.4 | Rupees Ninety Five and Forty Paise Only |
| 9 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 | Sqm | 1973.80 | 6.36 | Rupees Six and Thirty Six Paise Only |

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| 10 | KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 | Cum | 294.72 | 2100.0 | Rupees Two Thousand One Hundred Only |
| 11 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) | Cum | 190.47 | 5500.0 | Rupees Five Thousand Five Hundred Only |
| 12 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 | Sqm | 973.40 | 26.5 | Rupees Twenty Six and Fifty Paise Only |

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| 13 | KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507 - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 4.5 % VG-30 Bitumen | Cum | 51.72 | 6500.0 | Rupees Six Thousand Five Hundred Only |
| 14 | KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour,HOM of machineries complete as per specifications. MORTH specification clause 501 | Sqm | 1419.00 | 5.3 | Rupees Five and Thirty Paise Only |
| 15 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 | Sqm | 1419.00 | 12.72 | Rupees Twelve and Seventy Two Paise Only |
| 16 | KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - do - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 6 % VG-30 Bitumen | Cum | 56.76 | 7400.0 | Rupees Seven Thousand Four Hundred Only |

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| KSRRB M100-1 Loading and Unloading of Gravel / Boulder / Stone aggregates /Sand/ Moorum. KSRRB M100-1 : Placing Loader at loading point, loading with front end loader, dumping, turning for return trip, including time for haulage and return trip complete as per specifications. MORTH-100/ Chapter 1 | Cum | 1265.07 | 57.0 | Rupees Fifty Seven Only |
| KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH-100/ Chapter 1 Case-I: Surface Road | Km | 1265.07 | 25.6 | Rupees Twenty Five and Sixty Paise Only |

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